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JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

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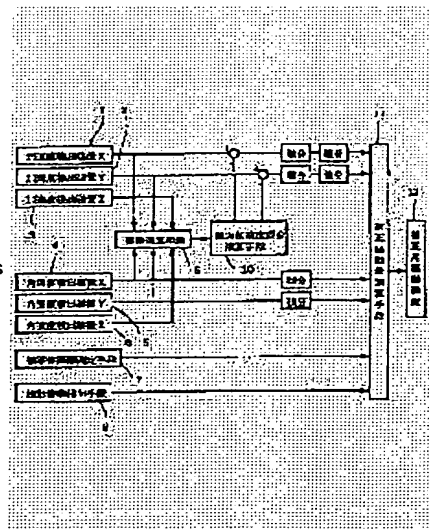
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(54) IMAGE BLURRING CORRECTING CAMERA

(57)Abstract:

PURPOSE: To accurately correct image blurring by accurately detecting the parallel motion of a camera.

CONSTITUTION: An image blurring correcting camera is provided with acceleration detectors 1 to 3 for detecting acceleration in three axial directions applied to the camera, angular velocity detectors 4 to 6 for detecting angular speeds around three axes applied to the camera, a posture calculating means 9 for calculating a coordinate transform matrix between a camera coordinate system and a static coordinate system from the acceleration of three axial directions and the angular speeds around three axes and a gravitational acceleration component calculating means 10 for calculating gravitational acceleration components in the camera coordinate system from the coordinate transform matrix. The gravitational acceleration components are eliminated from the outputs of the acceleration detectors 1 and 2, the displacement of a parallel motion is calculated and a correction driving calculating means 11 calculates the amount of image blurring based on these calculation results.



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